

NPS A6

INTERNATIONAL WATER-GUARD
AIRCRAFT POTABLE WATER TREATMENT UNIT



When you need clean, safe water at up to four gallons per minute, the NPS-A6 is your choice.

The flagship of IWG's line, this unit was designed to handle any challenge by incorporating stainless steel chambers, advanced ultraviolet lamp technology and fail-safe monitoring.



NPS A6

SPECIFICATIONS

- > Safely disinfects water at up to 4 US gpm
- > Robust 316L stainless steel construction
- > Replaceable carbon or sediment filter cartridge
- > Comprehensive self-diagnostic
- > Lamp replacement notification
- > Optional auxiliary indicator panel
- > Discrete status communication.

MECHANICAL

Overall Dimensions: 12.2" (310 mm) high x 10.4" (264 mm) wide x 4.4" (112 mm) deep

Net Weight Dry: 10.5 lbs.(4.8 Kg) including carbon filter and support plate

ELECTRICAL

Input Voltage: 28 VDC (nominal)

Nominal Current: 2.0A at 28VDC

Voltage Reversal: Tested to RTCA/DO-160D

Transient Protection: Tested to RTCA/DO-160D

Conducted EMI: Tested to RTCA/DO-160D

Electrical Interface: 5-pin connector D38999/20FD5PN (power)

18-pin connector D38999/20FD18SN (communications)

ENVIRONMENTAL

Temperature Range: Operating ambient 0 to +40C (+32F to +104F)

Storage: -55C to +85C (-67F to +185F dry)

Flammability: FAA, FAR Part 25 and TCCA/EASA requirements

Vibration: Tested to RTCA/DO-160D

Shock: Tested to RTCA/DO-160D

Ventilation: Cooling and venting is by natural convection

PRESSURE/FLOW

Maximum Pressure: 60 PSIG

Maximum Flow Rate: 4 US gpm at NSF Class "A" disinfection levels

Pressure Drop: 5.0 psi

Filtration: Replaceable carbon or sediment filter cartridge

STATUS INDICATION

- > A6 status on unit front panel and optional auxiliary indicator Panel
- > Seven indicators to display unit status
- > Discrete levels of the seven indicators are available via communication connector.

AUXILIARY INDICATOR PANEL (AIP) SPECIFICATIONS

Mechanical: 3.3" (84 mm) high x 2.9" (74 mm) wide x 2.2" (56 mm) deep

Electrical: 5VDC powered from A6 communication connector

Electrical Interface: Connector: 13-pin connector MS38999/0FB35SN

